

Weather Event Simulator Case Study

Originating Office	:	WFO Midland
Date of Case	:	27 May 2002
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Weather Event	:	Dryline thunderstorms on a holiday event.
Learning Objectives	:	Practice assuming warning forecast responsibility with limited knowledge of pre-storm environment.
	:	Provide opportunity to distinguish between tornadic and non-tornadic signatures supercells which are interacting with boundaries.
	:	Facilitate exchange of ideas among forecasters with varying experience.
Available Data	:	Radar data from KMAF, KLBB, KSJT, KDYX and KFDX (1200-2359 UTC).
	:	“MesoEta” and local Workstation Eta model guidance fields (1800 UTC run only).
	:	AWIPS satellite imagery (CONUS scale only).
	:	All AWIPS point data.
	:	All AWIPS redbook graphics.
Time Period of Data	:	2045 to 2345 UTC May 27.
Type of Simulation	:	Displaced Real-Time based.
Completion Time	:	Three hours.
Additional Materials	:	Paper copy of Simulation Guide with map of County Warning Area, warning log, Day One Convective Outlook, Mesoscale Discussion and Tornado Watch from the Storm Prediction Center.
Installation	:	Use the CaseInstaller.tcl script to install the case specifying one (1) CDs, the appropriate directory (e.g., /data/awips) on the appropriate hard drive (e.g., /dev/sdb1). The case directory will be called 2002May27.
Special Instructions	:	The WFO Midland D2D localization is included in the case.